LEZNOV, E.I. [Leznov, Ye.I.]

Centrifugal casting of worm gears with metallic bushings. Ratsionalizatsiia 3 no.3:26 '63.

APPROVED FOR RELEASE: Monday, July 31, 2000 CIA-RDP86-00513R0009298100

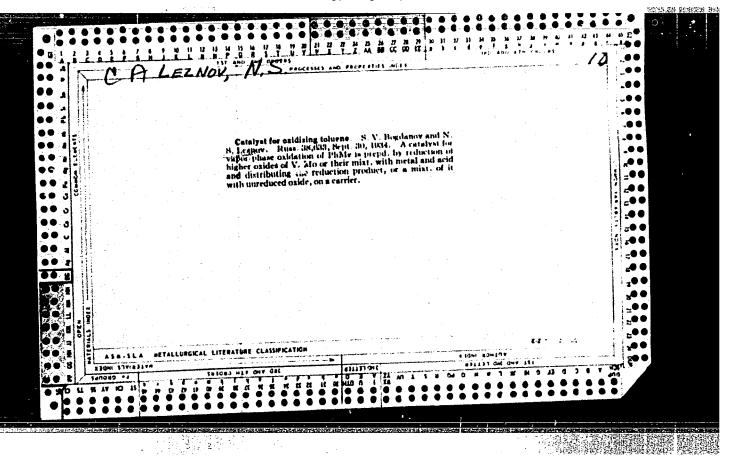
Efforts to achieve the calling "plant of communist labor." Rech. transp. 21 no.2:32-33 F '62. (MIRA 15:3)

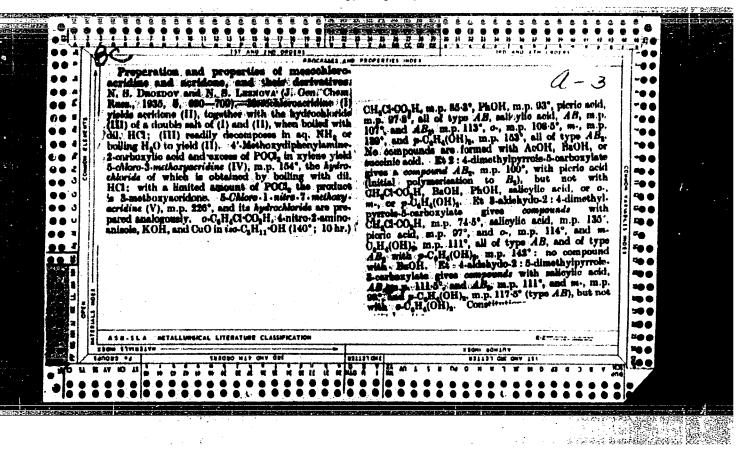
1. Direktor Chistopol'skogo sudoremontnogo zavoda. (Ships--Maintenance and repair)

BODROVA, V.V.; DROGALEVA, I.V.; KISELEV, B.A.; KOROLEV, A.Ya.; LEZNOV, M.S.; MINDLIN, Ya.I.

Method for improving the properties of glass plastics, Plasta massy no.3:30-32 163. (MIRA 16:4)

(Glass reinforced plastics)





LEZNOV N. 3.

finnataly maleute oxalate succenate adipate sub-rate sebacate	h. 6.4 110-5 109-10 85-6 103 125-6 143 163	Yield % of theo- rett. cnt. 76.5 88.0 50.0 80.1 87.4 85.2	4 9 29 1.0773 1.1582 1.0560 1.0235 0.9756	1.4541	Exter con- tent % no.31 98 93 97.18 98.09 98.26 97.91	Sapon. no. 566.68 565.3 519.8 490.6 433.3 388.8	Pree ack! content 76 0.11 0.30 1.20 0.72 0.13 0.05	
sebacate phthelate					97.91 99.00	388.8 151.1	0.03	

The oxalate sapond, in the cold even with dil, alkalies so, that its ester content could not be detd. Adipic, suberic, etheric, and phthalic acids yielded monoesters along with diesters. The esters are transparent, colorless; low-viscosity liquids having a faint characteristic odor and sol, in alc., acetone, benzene, acetates, and to a lesser extent in

New resins. Allyl esters of dibasic acids. D. A. Chlorohydrocarbons. They are insol. in 11/O and benzine. With the exception of the conlate they kept well for several with the exception of the conlate they kept well for several months. The esters polymerized in the presence of bentities of the esters are:

| New resins. | Allyl esters of dibasic acids. | The characteristics of the esters of dibasic acids. | The characteristics of the esters are:

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"APPROVED FOR RELEASE: Monday, July 31, 2000

CIA-RDP86-00513R000929810

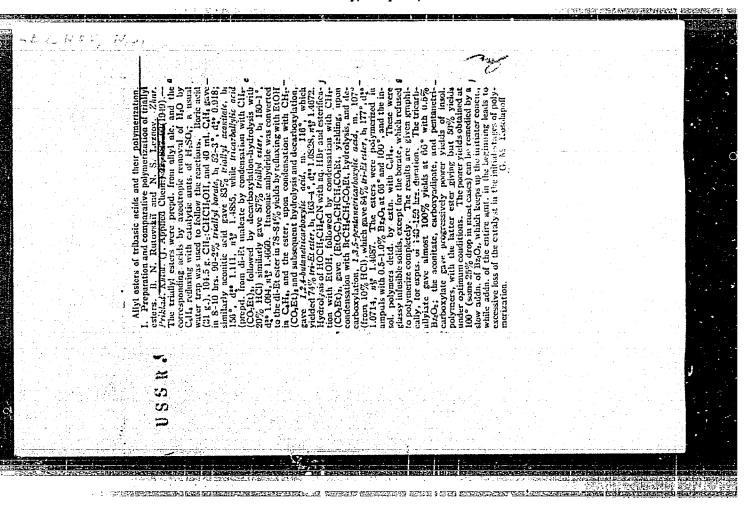
LEZNOV, N. S., Engr. Cand. Tech. Sci.

Dissertation: "Synthesis of Triallyl Esters of Tribasic Acids and Their Polymerization." Moscow Inst of Chemical Machine Building, 19 Jun 47.

SO: Vechernyaya Moskva, Jun, 1947 (Project #17836)

"APPROVED FOR RELEASE: Monday, July 31, 2000

CIA-RDP86-00513R000929810



Posymerization of the triallyl ester of tricarballytic scid.

and lavestigation of the polymerization products. B. N.
Ratovskil and N. S.—Leerson.— Zhar. Presid. C.A. 44.
(1). Applied Chem.) 22, 1008–13 (1949); cf. 4.4.
(1). Applied Chem.) 22, 1008–13 (1949); cf. 4.4.
(2). Applied Chem.) 22, 1008–13 (1949); cf. 4.4.
(3). Applied Chem.) 22, 1008–13 (1949); cf. 4.4.
(4). However, and which is estable tubes, with 0.5 or.
(5). Ba(O), at 60 and 100°, the 1st product formed is
and dictd, by ppin, with McOll. The ann. of this sol,
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and dictd, by ppin, with McOll. The ann. of this sol,
from kinete curves which show, at the initial stage of
relationation, fast increase of the rate of formation of the
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irod, product, through transformation of the accountisted sal, form; the rate then falls off, limited as it is by
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USSR/Chemistry - Silicon Compounds Nov/Dec 51

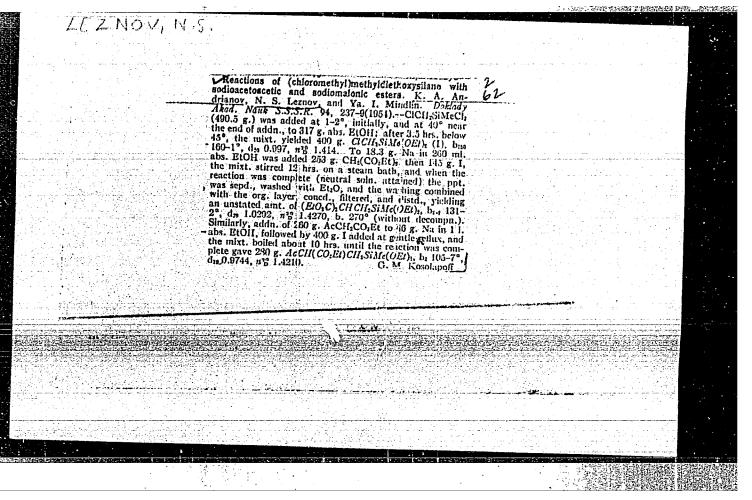
"Liquid Organic Polysiloxanes," A. V. Topchiev,
N. R. Leznov, N. S. Nametkin, Moscow

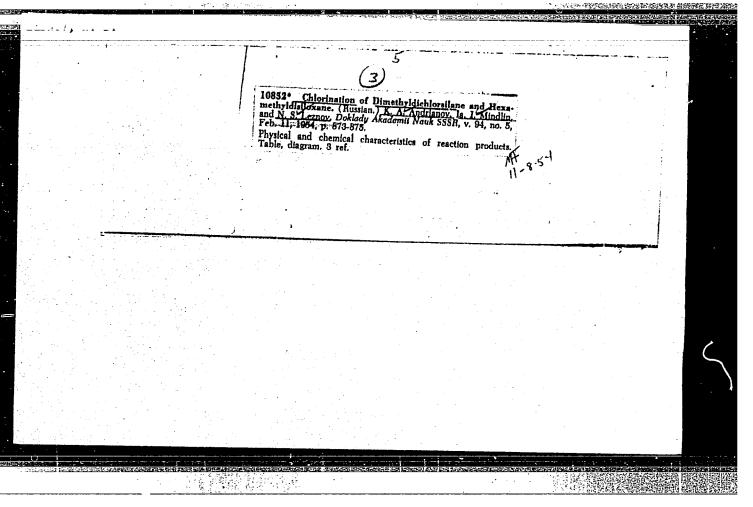
"Uspekh Khim" Vol XX, No. 6, pp 714-733

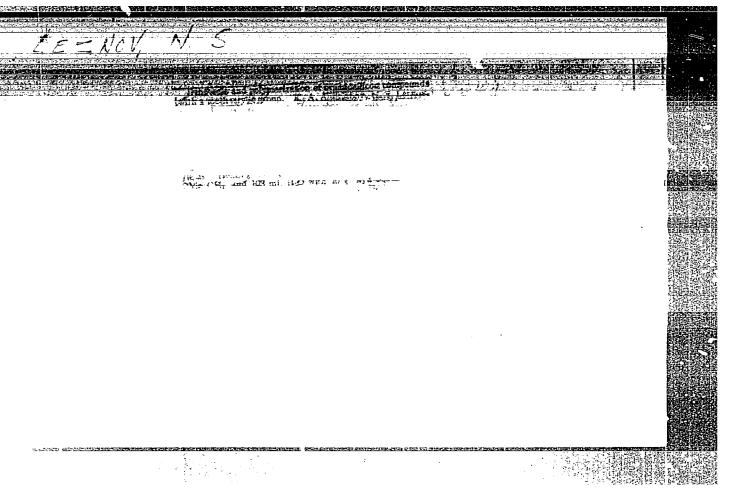
Reviews the subject in detail. Out of 19 references listed in the bibliography, 3 are
Russian and the rest American.

193719

(c A 48 no.1:397 '54)







sov/79-29-4-51/77

5(3) AUTHORS:

Leznov, N. S., Sabun, L. A., Andrianov, K. A.

TITLE:

Polydiethylsiloxane Liquids (Polidietilsiloksanovyye zhidkosti). I. The Effect of Sulphuric Acid on Diethyldiethoxysilane and Its Mixtures With Triethylethoxysilane (I. Deystviye sernoy kisloty na dietildietoksisilan i yego smesi s trietiletoksi-

silanom)

PERIODICAL:

Zhurnal obshchey khimii, 1959, Vol 29, Nr 4, pp 1270-1275

(USSR)

ABSTRACT:

In the paper under review the authors give data concerning their work during 1947 in the field of the preparation of liquid polydiethylsiloxanes from diethyldiethoxysilane and its mixtures with triethylethoxysilane. It was the objective of this work to synthesize polymeric liquids free from impurities of those polymers which contain ethoxy groups in the molecule. The hydrolysis of diethyldiethoxysilane in an aqueous medium at 100° resulted in the formation of the diethyldioxy- and oxyethoxysilanes which, in turn, were transformed into polydiethylsiloxanes of cyclic and normal structures (Scheme I). Under different conditions the formation of polymers containing

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SOV/79-29-4-51/77 Polydiethylsiloxane Liquids. I. The Effect of Sulphuric Acid on Diethyldiethoxysilane and Its Mixtures With Triethylethoxysilane

the ethoxy group (b) in the molecule could not be avoided. The synthesis of polydiethylsiloxanes free from ethoxy groups on the basis of the hydrolysis products of diethyldiethoxysilane was carried out by means of a reaction with 93-100% sulphuric acid at 20-500 as well as with 95-99% formic- or acetic acid at 60-100° according to scheme (II). When sulphuric acid was used the fractional composition of polydiethylsiloxanes changed abruptly toward the formation of polymers of a higher average molecular weight (Scheme III). The carboxylic acids did not cause a regrouping of the cyclic polymers (Scheme II, Table 1). On the basis of what has been reported so far it was possible to assume that the synthesis of polydiethylsiloxanes free from polymeric impurities containing ethoxy groups in the molecule by the action of concentrated acids (esp. sulphuric acid) upon diethyldiethoxysilane follows the general scheme (IV) $(c_2H_5)_2Si(oc_2H_5)_2 + 2H_2SO_4 \longrightarrow [(c_2H_5)_2SiO]_x + 2c_2H_5OSO_3H +$... + H, O (IV). This assumption was confirmed by experiments. Thus, ethyl sulphuric acid and cyclic polydiethylsiloxanes free from normal polymers with ethoxy groups in the molecule were ob-

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SOV/79-29-4-51/77

Polydiethylsiloxane Liquids. I. The Effect of Sulphuric Acid on Diethyldiethoxysilane and Its Mixtures With Triethylethoxysilane

tained (98% yield). The investigation of the influence of various factors upon the process and composition of the resulting polydiethylsiloxanes made it possible to illustrate the main transformations in the schemes (V), (VI), (VII), and (IX), which was also confirmed experimentally. There are 4 tables.

SUBMITTED:

March 10, 1958

card 3/3

CIA-RDP86-00513R000929810(**APPROVED FOR RELEASE: Monday, July 31, 2000**

5 (3) AUTHORS:

Leznov, N. S., Sabun, L. A.,

507/79-29-4-52/77

Andrianov, K. A.

TITLE:

Polydiethylsiloxane Liquids (Polidietilsiloksanovyye zhidkosti). II. The Effect of Phosphoric and Boric Acid on Diethyldiethoxysilane and Its Mixtures With Triethylethoxysilane (II. Deystviye fosfornoy i bornoy kislot na dietildietoksisilan i yego smesi s

trietiletoksisilanom)

PERIODICAL:

Zhurnal obshchey khimii, 1959, Vol 29, Nr 4, pp 1276 - 1281

(USSR)

ABSTRACT:

In continuation of the preceding paper (200 1959, 29, 1270) the data concerning the reactions of phosphoric- and boric acid with ethylethoxysilanes are described in the present article. It was shown that, like sulphuric acid, phosphoric acid reacting with diethyldiethoxysilane results in a formation of polying with diethyldiethoxysilane results in a formation of polying the diethylsiloxanes free from impurities of normal polymers with ethoxy groups in the molecule, and in the formation of acid ethyl phosphates. This formation is brought about at a molar ratio of diethyldiethoxysilane to the acid of 3:2 up to 1:2. There was no neutral ester to be found in the reaction products. In contrast with the reaction of diethyldiethoxysilane with

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Polydiethylsiloxane Liquids. II. The Effect of Phosphoric- SOV/79-29-4-52/77 and Boric Acid on Diethyldiethoxysilane and Its Mixtures With Triethylethoxysilane

sulphuric acid (Scheme I) the reaction with phosphoric acid exhibits an intermediate stage in which polydiethylsiloxane phosphates form, which are stable in the middle of the reaction according to scheme (II). If water influences the reaction product, a hydrolysis of the phosphates accompanied by the separation of polydiethylsiloxanes and acid ethyl phosphates takes place according to schemes (III) and (IV). It proved impossible to remove the polydiethylsiloxane phosphates since the distillation of the reaction material resulted in their decomposition. Their presence was proved in three ways. The date obtained support the assumption that two kinds of polydiethylsiloxane phosphates are present in the reaction product (Scheme II). In the hydrolysis (Scheme III) it may be seen that polydiethylsiloxane phosphates exhibit a polymeric grouping as soon as the acid ethyl phosphate is split off. A further condensation results in non-distillable polymers of high molecular weight. In this hydrolysis (Scheme IV) individual polymer components, the cyclization of which results in low-boiling products, liberate themselves. The effect of phosphoric acid on a mixture of diethyl-

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Polydiethylsiloxane Liquids. II. The Effect of Phosphoric- and Boric Acid on Diethyldiethoxysilane and Its Mixtures With Triethylethoxysilane sov/79-29-4-52/77

diethoxysilane and triethylethoxysilane follows scheme (V), as is also the case with sulphuric acid. The reaction with boric acid in place of phosphoric acid takes place in the same way (Schemes VIII and IX). The fractional compositions of the polymers obtained by the reactions of both acids are similar. There are 3 tables.

SUBMITTED:

March 10, 1958

Card 3/3

5-(3) AUTHORS:

Loznov, W. S., Sabun, L. A.,

SCY/79-29-5-23/75

Andrianov, K. A.

TITLE:

Polydiethyl-siloxane Liquid: (Polidietilsiloksanovyye zhidkosti). 3. Effect of Carboxylic Acids Upon Diethyl-

ethoxy-silene (3. Deystviye karbonovykh kislot na

dietildietoksisilan)

PERIODICAL:

Zhurnel obshchey knimii, 1959, Vol 29, Gr 5,

1508-1514 (USSR)

ABSTRACT:

The present paper supplies data of the reactions of diethyldiethoxy-silane with mono- (Table 2) and dicarboxylic soids (Table 3). The investigation of these reactions indicated that on heating of monocarboxylic acids (formic, acetic, chloroacetic, propionic and n-butyric acid) with diethyl-diethoxy-silane up to 66-120° polydiethyl-siloxanes (up to 98%) and ethyl esters of the corresponding acids (up to 90%) are formed. Cyclic polydiethyl-siloxanes, without linear polymers with ethoxy-groups in the molecule can be obtained if excess acid is used in the reaction. The latter depends on the acid concentration and its dissociation constant and decreases with an increase in the latter (Table 1). The reaction rate

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Polydiethyl-siloxane Liquids. 3. Effect of Carboxylic Acids Upon Diethyl-ethoxy-silone

COV/79-29-5-25/75

of the carboxylic acids with diethyl-ethorr-silene decends on the strength of the acid and increases with its increasing strength (Fig). Polydiethyl siloxones formed in the reactions of monocarboxylic acids with diethyl-ethoxy-silone are practically completely distilled off up to 2000 (1 m). Their fractional composition depends, in contrast with the polydiathyl-silomanes formed in reactions of miseral soids with diethyl-liethoxy-silene, neither on the nature now on the quantity or configuration of the acid. The investigation of the reactions of dietnyl-diethoxy-silene with die rhexylic scide (exclic, succinic, adipic and maleic seil) indicated the arms laws of with monocarboxylic acids. In a similar way as in reaction . ith menocarboxylic acids traces of sulferic acid accelerate the course of reaction and permit the reduction of the encess soid desirable for the formation of polydiethyl-siloxenes. The fractional composition of the polydiethyl-siloxenes is similar to the composition of those which are found in the reaction with monocyrhoxylic acids and is also independent of the nature of the acid. It may be

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"APPROVED FOR RELEASE: Monday, July 31, 2000

CIA-RDP86-00513R000929810

Polydiethyl-siloxane Liquids. 3. Effect of Carboxylic SOV/79-29-5-23/75 Acids Upon Diethyl-ethoxy-silane

concluded from this that polydiethyl-siloxanes are stable against the effect of carboxylic acids. There are 1 figure, 5 tables, and 2 Soviet references.

SUBMITTED:

March 10, 1958

Card 3/3

5 (3) AUGHORS: Leznov, H. S., Sebun, L. A., Andrienov, SOV/79-29-3-24/75

K. A.

TITLE:

Polydiethyl-siloxane Liquids (Polidietilsiloksanovyye zhidkosti). 4. Effect of Aldehydes and Acetone on Diethyldiethoxy-silexane (4. Devstviye al'degidov i atsetone na

dietildietoksisilan)

PERIODICAL:

Zhurnal obshchey khimii, 1959, Vol 29, Hr 5,

pp 1514-1518 (USSR)

ABSTRACT:

The authors found that on the interaction of diethyl-diethomysilane with aqueous aldehyde solutions the latter do not take part in the reaction and that the process results in the hydrolysis of the diethyl-diethoxy-silane. Anhydrous aldehydes and acetone

are completely passive in the absence of catalysts with respect to diethyl-diethoxy-silane. Irrespective of the time

of heating of the reaction mixture neither polydiethyl siloxanes nor acetals could be detected in the reaction products. Then using mineral acids hydrochloride and its solutions were not found to cause any interaction between Eldehydes and diethyl-diethoxy-silane. Sulfuric acid, however,

effects in amounts of 0.1-0.2 % the formation of polydisthyl

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Polydiethyl-siloxene Liquids. 4. Effect of Aldehydes and Acetone on Diethyl-diethoxy-siloxene

307/79-29-5-24/75

siloxanes and corresponding acetals. In the investigation of the reaction of diethyl-diethoxy-silane with formaldehyde (paraform) a prolonged time of heating was found to cause the formation of a polydiethyl-siloxane mixture with a higher content of ethoxyl groups. By the influence of diethyl formal and alcohol upon polycyclic polydiethyl-piloxenes treated with sulfuric acid a polydiothyl-siloxane mixture with 5-4 % ethoxyl groups was obtained. Acetone and diethyl-diethoxysilane reacted in the presence of sulfuric acid traces and a polydiethyl-siloxene mixture was formed. Ketal, however, was not found in the reaction products. In addition to polydiethyl-siloxanes the reaction product contained alcohol and a considerable quantity of soluble resins which were formed owing to the condensation of acetone and probably also of ketal. Since these resins are dissolved by solvents such as polydiethyl-siloxane they could not be isolated. The distillation in vacuum accompanied by decomposition. Table 1 - interaction of diethyl-ethoxy-silene with paraform, table 2 - the same with paraldehyde. There are 2 tables

Card 2/3

Polydiethyl-diloxane Liquids. 4. Effect of Aldehydes SOV/79-29-5-24/75 and Acetone on Diethyl-dicthoxy-siloxane

and 3 Soviet references.

SUBMITTED:

March 10, 1958

Card 3/3

5 (3) AUTHORS:

Leznov, H. S., Sabun, L. A.,

sov/79-29-5-25/75

Andrianov, K. A.

TITLE:

Polydiethyl-siloxene Liquids (Polidietilsiloksanovyye zhidkosti). 5. On the Reaction Mechanism of Diethyl-diethoxysilene With Acetic Acid (K voprosu o mekhanizmo reaktsii

dietildietoksisilana s uksusnoy kislotoy)

PERIODICAL:

Zhurnal obshchey khimii, 1959, Vol 29, Nr 5,

pp 1518-1522 (USSR)

ABSTRACT:

On investigation of the reaction of diethyl-diethoxy-silane with acetic acid it was found that the elimination of the ethyl acetate being formed from the reaction mixture considerably reduces the rate of the reaction in which connection the reaction product is enriched by polydiethyl-siloxanes with linear polymers having ethoxy groups on the ends of the molecular chain. In order to define the chemism of the initial state of the reaction, experiments in toluene medium on continuous distillation of volatile reaction products were carried out. Polydiethyl-siloxanes and ethyl acetate were not found to be formed. Diethyl-diacetoxy-silane and the unchanged diethyl-diethoxy-silane were found in the

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CIA-RDP86-00513R000929810

Polydiethyl-siloxane Liquids. 5. On the Reaction Mechanism of Diethyl-diethoxy-silane With Acetic Acid

SCY/79-29-5-25/75

reaction products. The free alcohol was detected in the condensate. Further reactions of anhydrous alcohols with diethyl-diacatoxy-silanes were investigated. It was found that by heating of methyl, ethyl and n-butyl alcohol with diethyl-diacetoxy-silane the corresponding acetates and polydiethyl-siloxene mixtures were formed. In the presence of traces of sulfuric acid the latter are femued at recom temperature. The chemical composition of these polydiethylsiloxenes exhibits in addition to cyclic polynero plao linear polymers with alkoxyl groups up to the end atoms of silicon. Heating of diethyl-dioxy-silane in mylene results in a complete elimination of water with polydiethylsiloxenes being formed. The chemical analysis and the physical constants of the latter are indicative of their cyclic structure. Heating of diethyl-dioxy-silane in anhydrous alcohol yields a polymeric mixture in which linear polymers with ethoxyl groups were detected. The amount of these groups is determined by the acidity of the medium. On dehydration of diethyl-dioxy-silane in alcohol with traces of sulfuric and acetic acid 3.58 and 5.47 5 ethoxyl groups were

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Polydicthyl-siloxone Liquids. 5. On the Reaction SOV/79-20-5-25/09 Mechanism of Diethyl-diethoxy-silane With Acetic Acid

found. In the absence of these acids their quantity was not more than 2 %. It was proved experimentally that an reaction of diethyl-diethoxy-silene with diethyl-diacetoxy-silene in the presence of othyl-sulfuric or sulfuric acid cyclic polydiethyl siloxanes and ethyl acetate are formed. Table 1 content of diacetoxy-diethyl-silene in the reaction products of diethyl-diethoxy-silene with acetic coid. Pable 2 reaction of alcohols with diethyl-acetoxy-silene. There are 2 tables.

2 tables

SUBLITTED:

Merch 10, 1958

Card 3/3

S/661/61/000/006/036/031 D202/D302

AUTHORS:

Alashkevich, M. L., Leznov, N. S., Yumakova, A. Ye. and

Andrianov, K. A.

TITLE:

Physico-mechanical properties of linear polydiethylsi-

loxanes

SOURCE:

Khimiya i prakticheskoye primeneniye kremneorganichskikh soyedineniy; trudy konferentsii. no. 6: Doklady, diskussii, resheniye. II Vses. konfer. po khimii i prakt. prim. kremneorg. soyed., Len., 1958. Leningrad, Izd-vo AN SSSR,

1961, 171-172

TEXT: A supplement to a previous report in no. 2, p. 20, of this publication. The authors compare the properties of polymethyl-phenyl-siloxanes with those of polydiethyl-siloxanes used as high-vacuum pump fluids. No experimental details are given. It was found that the first compounds have marked advantages over the second, although cyclic polymers, formed during their synthesis, unfavorably affect the thermal stability of both.

Card 1/1

37766 s/661/61/000/006/052/031 D235/D302

5.3700

Mindlin, Ya. L., Leznov, N. S. and Andrianov, K. A.

AUTHORS:

Synthesis of polymethyl-siloxanes with hydroxyl groups

TITLE:

in the organic radical

SOURCE:

Khimiya i prakticheskoye primeneniye kremneorganicheskikh soyedineniy; trudy konferentsii, no. 6: Doklady, diskussii, resheniye. II Vses. konfer. po khimii i prakt. prim. kremneorg. soyed., Len. 1958. Leningrad, Izd-vo AN SSSR,

1961, 224-226

TEXT: A supplement to the above paper (this publication, no. 2, p. 127). The authors report on the exceptional antifoam properties of poly-methyl-siloxanes with a hydroxyl group in the organic radical. Such a compound depresses foam formation during fermentation of a number of antibiotics and the expenditure of the antifoam agent is only a hundredth or thousandth part of a percent of the colume of the fermentation medium. Such an antifoam agent, containing 5% of the fermentation medium. Such an antifoam agent, containing 5% of the fermentation medium. Such an antifoam agent, containing 5% of the fermentation medium. Such an antifoam agent, containing 5% of the fermentation medium. Such an antifoam agent, containing 5% of the fermentation medium.

Card 1/2

CIA-RDP86-00513R0009298100 APPROVED FOR RELEASE: Monday, July 31, 2000

SOLODOVNIK, V.D.; DAVYDOV, A.B.; IVANOVA, Z.G.; MINDLIN, Ya.I.; LEZMOV, W.S.

Properties of and the possibility of using organoborosilicon polymers as components of heat-resistant adhesives. Plast. massy no.3:39-42 '63. (MIRA 16:4)

(Adhesives) (Silicon organic compounds)
(Boron organic compounds)

AUTHOR: Zherdev, Yu. V., Korolev, A. Ya., Leznov, N. S.

TITLE: The effect of fillers on the curing of silicone resins

1B+1

SOURCE: Khimicheskiye svoystva i modifikatsiya polimerov (Chemical properties and the modification of polymers); sbornik statey. Moscow, Izd-vo Nauka, 1964, 260-264

TOPIC TAGS: silicone, silicoorganic resin, silicone hardening, filler, silicone thermomechanical property, thermal degradation, pol; tenylmethylsiloxane, carbon black, zinc oxide, lead oxide, glass fiber.

ABSTRACT: Determination of the thermomechanical properties of thermally treated polyphenylmethylsiloxanes proved that zine or lead oxide and particularly fecric oxide markedly inhibit curing at 120-200C, whereas white carbon black and to a lesser degree calkaline-free" glass fiber accelerate the process of curing. In tests of thermal stability at 400C white carbon black was also shown to act as a stabilizer. The accelerating effect of glass fiber on curing improved after thermal pretreatment at 400C, and its activity was shown to be related to surface effects and the presence of traces of alkali. The widely different effects of the fillers studied do not generally depend on the pH of aqueous extracts, since all extracts had a pH of 6.6-6.8 except that of glass fiber with pH 8.6. The resins were

L 19744-65

ACCESSION NR: AT4049865

tested with 50% filler after curing for 2 hrs. or longer at 120 and 150C, pressing for 10 min. under 300 kg/cm², and also after additional curing at 150-200C. Testing loads were 4.3 kg/cm². at temperatures up to 400C. Addition of 1-5% epoxide resin to the fillers and formation of a thin film, less than 0.1µ thick, on the filler surface eliminated the inhibitory x effects of zinc, lead, or ferric oxides. Tests on the thermal decomposition of filled and non-filled resins showed that glass fiber, zinc oxide, and particularly lead oxide promote thermal breakdown, whereas ferric oxide and white carbon black act as stabilizers. The observed effects with various compounds are discussed and related to published theories and/or experimental results. Orig. art. has: 2 figures.

ASSOCIATION: None

SUBMITTED: 20Jun63

ENCL: 00

SUB CODE: MT

NO REF SOV: 009

OTHER: 009

Card 2/2

WW/DJ/RM Pc=4/Pr=4/Ps=4/Pt=10 EPA(s)=2/FWT(m)/EPF(c)/EPR/ENP(j)/T L 35470-65 5/0191/64/000/010/0016/0019 ACCESSION NR: AP4046896 AUTHOR: Zherdev, Yu. V.; Korolev, A. Ya.; Leznov, N. S. Effect of different hardening catalysts on the thermo-oxidative degrads tion of polyorganosiloxanes Plasticheskiye massy, no. 10, 1964, 16-19 SOURCE: TOPIC TAGS: polyorganosiloxane, siloxane, thermal degradation, oxidative degradation, depolymerization catalyst, tin diethyldicaprylate, polyethyl aluminosiloxare, potassium hydroxide, potassium acetate, sulfuric acid, ammonium acetate ABSTRACT: The thermal degradation of polyorganosiloxanes was investigated in the presence of different catalysts, such as KOH, CH3COOK, CH3COONH4, H2SO4, tin diethyldicaprylate and polyethylaluminosiloxane. The resin (CH₃) (C₆H₅)₂ (SiO_{3/2})₃ had an average molecular weight of about 900 and contained about 2% reactive groups (OH, etc.). The effect of the type and concentration of catalyst on the content of organic groups in the polyorganosiloxane was investigated after thermooxidative degradation at 400C for 220 hours by determining the weight loss of the sample. The experimental data are plotted and tabulated. The carbon content and **Card 1/3**

37766 s/661/61/000/006/052/031 D235/D302

5.3700

Mindlin, Ya. L., Leznov, N. S. and Andrianov, K. A.

Synthesis of polymethyl-siloxanes with hydroxyl groups AUTHORS:

in the o ganic radical TITLE:

Khimiya i prakticheskoye primeneniye kremneorganicheskikh soyedineniy; trudy konferentsii, no. 6: Doklady, diskus-SOURCE:

sil, resheniye. II Vses. konfer. po khimii i prakt. prim. kremneorg. soyed., Len. 1958. Leningrad, Izd-vo AN SSSR,

TEXT: A supplement to the above paper (this publication, no. 2, p. 127). The authors report on the exceptional antifoam properties of poly-methyl-siloxanes with a hydroxyl group in the organic radical. Such a compound depresses foam formation during fermentation of a number of antibiotics and the expenditure of the antiform agent is only a hundredth or thousandth part of a percent of the colume of the fermentation medium. Such an antifoam agent, containing 5% hydroxyl groups, in the form of a 10 - 15% solution in white spirit

Card 1/2

Synthesis of polymethyl

S/661/61/000/006/052/031 D235/D302

has negligible toxicity and has been successfully used in an artificial heart-lung machine. The paper is discussed by Ya. I. Mindlin, A. L. Klebanskiy (VNIISK, Leningrad), I. F. Ponomarev, T. A. Krasov-discussed: Relationship between properties of the polymer and the number of hydroxyl groups; the effect of such an anti-foam agent on the blood; antifoam properties of other organo-silicon compounds. If the polymer; compounds containing 4 - 5% hydroxyl groups the stabicondense together more quickly than those containing only 2%. Desofthe substance and the amount of silicon remaining in the blood is 70 - 80 times more effective than vegetable and animal oils, but in must be used.

Card 2/2

L 35470-65 ACCESSION NR: AP4046896 2

the C6K5:Si ratio were calculated, and for some samples the microelemental analysis of the H/C ratio was also carried out. It was found that the thermo-oxidative degradation of the resin without a catalyst leads to weight loss exceeding even the theoretically possible losses obtained by the combustion of the entire organic part of the resin. The process of degradation is acculerated considerabiy by potassium hydroxide and acetate. The data obtained with inorganic catalysts tin diethyldicaprylate and organosilicon compounds are plotted and discussed in detail. Interesting results were obtained with tin compounds. The addition of tin diethylcaprylate to polyorganosiloxane and other polymers improved their thermal stability and also accelerated hardening. Tin diethylcaprylate is most suitable when added in 20% tetraethoxysilane solution. The effect of tetraethoxysilane and tetramethoxysilane on the thermal degradation was also investigated by weight loss. The weight loss data at 400C show that their addition affects the thermo-oxidative degradation to a certain extent. Hydroxides and salts of alkali metals are very dangerous agents because they accelerate the oxidation of the polymer. The mechanism of action of these catalysts has not yet been clarified, but the experimental data show that the purity of the polyorganosiloxane has a significant effect on their activity at high temperatures.

Card 2/3

L 35470-65

ACCESSION NR: AP4046896

In order to study the final state of the resin after thermal degradation, infrared absorption spectra were taken before and after heating at 400C for 220 hrs. The most interesting bands were produced by the oscillation of the main polymer skeleton Si-O-Si. In the region of the valency oscillation of SiO at about 1100 cm-1, in the spectra of both the initial resin and that hardened at 270C, two intensive bands appear with maxima at about 1050 and 1180 cm . The different bands are compared with bands obtained for quartz glass and interpreted. Orig. art. has: 1 table and 2 figures.

ASSOCIATION: None

ENCL: 00

SUB CODE: OC, MT

SUBMITTED: 00

NO REF SOV: 008

OTHER: 007

Card 3/3

·8(5). AUTHORS:

SOV/105-58-11-1/28 Sovalov, S. A., Candidate of Technical

Sciences, Leznov, S. I., Engineer, Smirnov, M. I., Engineer (Moscow)

TITLE:

Experimental Investigation of Power System Performance

Characteristics (Eksperimental noye issledovaniye

rezhimnykh kharakteristik energosistemy)

PERIODICAL:

Elektrichestvo, 1958, Nr 11, pp 1-7 (USSR)

ABSTRACT:

This paper gives an account of the principal results of an experimental investigation carried out in summer 1957 (on 3 weekdays and on one Sunday) in the Ob"yedinennaya energosistema Tsentra (Combined Power System of the Center). It covers: 1) An investigation of the frequency

fluctuations in a non-controlled power system. It appeared that the irregular frequency fluctuations in a large power system are relatively small (not exceeding 0.2%) and that with a relatively stable load in the power system (this implies only slow frequency variations) the usual requirements placed

Card 1/3

upon frequency maintenance on a certain level are

APPROVED FOR RELEASE: Monday, July 31, 2000 CIA-RDP86-00513R000929810(

Experimental Investigation of Power System Performance SOV/105-58-11-1/28 Characteristics

satisfied even without automatic control. 2) An investigation of the frequency fluctuations with automatic frequency control, even with the help of a relatively powerful station, does practically not at all reduce the amplitude of irregular fluctuations. In some instances, in particular on Sundays and during night hours such fluctuations became apparent in a much higher degree in an automatically controlled system than in a system without control. 3) Examinations of the total load variations in a power system. This study showed that the load varies very irregularly. When the load showed a general tendency to rise, it sudenly dropped back and vice versa. 4) The resulting static behaviour of all units of the power system, except of those of the Volzhskaya GES (Volga Power Station) remained within the limits of 8-10%. 5) A determination of the slope of the static frequency versus load characteristic. It was found that the voltage in the 110 kV-grid of the Moskovskiy uzel (Moscow Power Center) on the average

Card 2/3

Experimental Investigation of Power System Performance SOV/105-58-11-1/28 Characteristics

varies by 1-2% if the frequency varies by 16. The is true of the Moscow Power Center, of the Verkhnevolzhskiye energosistemy (Upper Volga Power System), and of the 400 kV bus bars of the substations. The following persons assisted in the organization of the work and were engaged in the investigation: K.T.Nakhapetyan, V.T.Kalita, V.K.Meshkov, S.S.Shlopak, Ye.M.Malikova, M.D.Kuchkin, V.K.Meshkov, S.S.Shlopak, Ye.M.Markovich advanced valuable suggestions. There are 7 figures, 5 tables, and 2 references, 1 of which is Soviet.

SUBMITTED:

August 6, 1958

card 3/3

YERMILOV, Aleksey Alekseyevich; LEZNOV, S.I., red.

[Electric-power supply of industrial enterprises]
Elektroenabzhenie promyshlennykh predpriiatii. Moskva, Energiia, 1965. 91 p. (Biblioteka elektromontera, no.161)

(MIRA 18:7)

LEZNOV, S.I., inzh.; SOVALOV, S.A., kand. tekhn. nauk

Change in consumer loads with frequency deviations. Prom. energ. 19 ,
no.11:10-15 N 164.

(MIR: 18:1)

LUK'YANOV, Tikhon Petrovich; GERR, A.D., retsenzent; ARTSYSHEVSKIY,
L.I., retsenzent; BIKKENIN, I.Kh., retsenzent; LEZHOY, S.I.,
nauchnyy red.; FAYERMAN, A.L., red.; TOKER, A.M., tekhn.
red.

[Adjustment of electrical systems]Naladka elektroustanovok.
Moskva, Proftekhizdat, 1962. 618 p. (MIRA 15:9)
(Electric apparatus and appliances) (Electric measurements)
(Electric engineering—Safety measures)

"APPROVED FOR RELEASE: Monday, July 31, 2000

CIA-RDP86-00513R000929810

Automatic line for gas cutting of sheet steel. Mekh.i avtom.Automatic line for gas cutting of sheet steel. Mekh.i avtom.Automatic line for gas cutting of sheet steel. Mekh.i avtom.(MIRA 15:9)
(Gas welding and cutting)

LEZNOV, S.I.

Automatic line for gas cutting of sheet steel. Biul.tekh.-ekon.-inform.Gos.nauch.-issl.inst.nauch.i tekh.inform. no.11:45-47 '62. (MIRA 15:11)

(Gas welding and cutting--Equipment and supplies)

L 7994-66 ACC NRI AP5026566 SOURCE CODE: UR/0286/65/000/019/0130/0131 I. Ya.; Leznov, S. I.; Zapol'skiy, I. S.; Len'kov, G. V.; AUTHORS: Balandin. Goryachkin, V. Yu.; Kiseleva, Z. V.; Mironov, A. A. ORG: none TITLE: A mobile stand for assembly and welding of ship hull sections. Class 65. No. 175406 presented by Kherson Design and Construction Engineering Institute (Khersonskiy proyektno-konstruktorskiy tekhnologicheskiy institut) SOURCE: Byulleten' izobreteniy i tovarnykh znakov, no. 19, 1965, 130-131 TOPIC TAGS: construction machinery, shipbuilding engineering ABSTRACT: This Author Certificate presents a mobile stand for assembly and welding of ship hull sections. The stand is made up of longitudinal framing beams carrying transverse curved beams with vertically adjustable supports (see Fig. 1). Fig. 1. 1- longitudinal framing beams; 2- transverse curved beams; 3- supports; 4- protruding teeth; 5- hydraulic cylinders

Card 1/2

UDC: 629.12.002.011:621.757:621:791

ACC NR: AP5026566

APPROVED FOR RELEASE: Monday, July 31, 2000 CIA-RDP86-00513R000929. To facilitate the work setup for a continuously positioned method of fabricating ship sections by mechanized assembly and welding technique, the longitudinal beams of the stand carry protruding teeth on their lower surface. These teeth interact with the bearings hinged to free ends of piston stems in the hydraulic cylinders of the mechanism for moving the stand. Orig. art. has: 1 figure.

SUB CODE: IE/ SUBM DATE: 15Aug64

Card 2/2

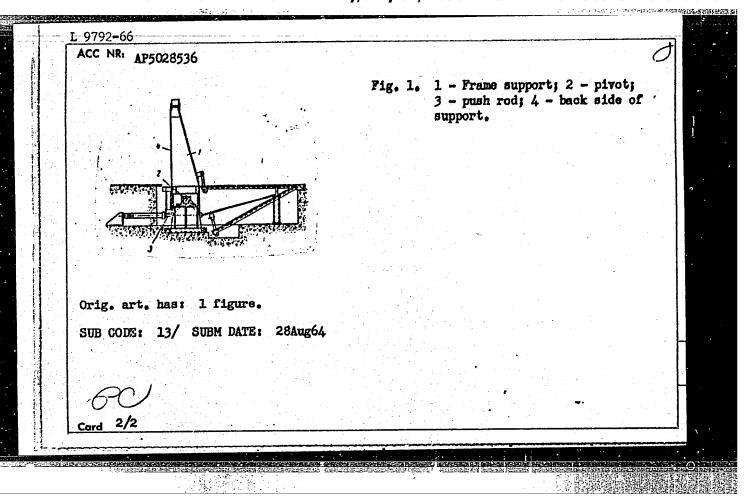
"APPROVED FOR RELEASE: Monday, July 31, 2000

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	一位。如何是一个人的人,但是一个人的人,但是一个人的人,但是一个人的人的人,但是一个人的人的人的人,但是一个人的人的人的人,但是一个人的人的人们,但是一个人的人们,但是一个人们的人们们们们是一个人们们们们们们们们们们们们们们们们们们们们们们们们们们们们们们们	的 是不够定式。
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	ACC NR: APENDERS	
	AUTHORS: 807 807 55 444 (5 SOURCE CODE: UR/0286/65/000/020/0130/0130	7
	AUTHORS: Balandin, I. Ya.; Leznov, S. I.; Zapol'skiy, I. S.; Len'kov, G. V.;	
	Goryachkin, V. Vy . Batter J. S. Japol'skiy, I.	
	Goryachkin, V. Yu.; Rotov, V. S.; Kiselevs, Z. V.; Mirchov, A. A.	
.	ORG: none	
	TITLE: Multi-support stand. Class 65, No. 175838 Zannounced by Kherson Design and tekhnologicheskin institute (Khersonskiy provektno-konstrukter)	
_	Construction Technological Institute (VIII)	
-	Construction Technological Institute (Khersonskiy proyektno-konstruktorskiy	_
1		
	SOURCE: Byulleten' izobreteniy i tovarnykh znakov, no. 20, 1965, 130	-
1	TODEO mess. 20, 1965, 130	
	TOPIC TAGS: shipbuilding engineering, ship component, automation	
1	ABSTRACT ML.	
	ABSTRACT: This Author Certificate presents a multi-support stand with frame supports ship sections. To mechanize the placing of the supports and the frame supports ship sections.	
1.	for placing of ship sections. To mechanize the placing of the supports under the matically connected the supports are pivoted below the floor level.	
1	matically connected are pivoted below the floor lander the	
	matically connected to the push rod of a hydraulic cylinder which synchronously lifts the back sides of the supports are at floor level and forms flot position until	
	the back sides of the american position and lowers them to a horizontal results	
	the back sides of the supports are at floor level and form a flat platform (see Fig.	C
	The proof of the p	
	(H) : [[[[[[[[[[[[[[[[[[
l	Cord 1/2	
	UNC: 629.12.002.011:621.757:621.791	
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CIA-RDP86-00513R0009298100



LEZNOV, Ye.I.

Centrifugal casting of gear wheels with mast iron bushings.
Lit.proizv. no.7:39 J1 62.
(Centrifugal casting) (MIRA 16:2)

LEZNOV, Ye.I.

Casting steel drums in half-chills. Lit.proizv. no.4:41 Ap 163.

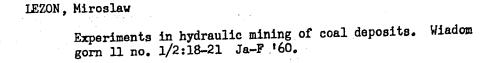
(Die casting)

"APPROVED FOR RELEASE: Monday, July 31, 2000 CIA-RDP86-00513R000929810

LEZON, Miroslaw

Technical and economic evaluation of hydromechanized systems for the mining of thick coal deposits. Wiadom gorn 10 no. 7/8:238-242 Jl-Ag '59.

"APPROVED FOR RELEASE: Monday, July 31, 2000 CIA-RDP86-00513R000929810



LEZON, Miroslaw

Mechanization of heading works and new methods and systems of mining in the Soviet coal mining industry. Wiadom gorn 11 no. 7/8:229-235 J1-Ag 160.

S/145/61/000/010/001/008 D221/D304

AUTHORS:

Mukhamedov, A. A., Candidate of Technical Sciences, Lezov, A. P., Senior Scientific Worker, Vinnik, T.D., Senior Lecturer, and Rudyuk, S. I., Aspirant

TITLE:

The effect of sulphiding on the wear resistance and antifrictional characteristics of friction surfaces

PERIODICAL:

Izvestiya vysshikh uchebnykh zavedeniy. Mashinostroyenie, no. 10, 1961, 37-44

TEXT: The article describes the results of investigations carried out on the wear resistance of grey cast iron, steel and metalloceramics. Various conditions of sulphiding, such as temperature and media, were kept identical in all cases. The experiments concerned valve pairs. The spools were made of 12XH3A (12KhNZA), 30XFCA (30KhGSA) and 40X (40Kh) steel, the sleeve of 30KhGSA steel. Parts of valves were subject to sulphiding after grinding. Those made of 30KhGSA and 40Kh steel were treated in an ENIMS bath of 72% $K_AFe(CN)_6$, 10% $Na_2S_2O_3$ and 18% of NaOH. During wear tests, use

Card 1/4

S/145/61/000/010/001/008 D221/D304

The effect of sulphiding ...

was made of AMT-10(AMG-10) fluid. The surface finish was checked by KB-10(KV-7) profilometer which indicated that the former did not change. The diameters were inspected in two perpendicular planes on a horizontal optimeter 100 (FKG), for the spool, and by a pneumatic instrument 100-100 (PPO-100) for the sleeve. The graphs of results show minimum wear in the non-sulphided spools; the greatest wear was found in sulphided steel 1000Kh, and the least by 1002KhNZA components. The wear of sleeves working with sulphided spools is reduced by half. The sulphided spools in 1000Kh steel showed a sulphur-saturated layer. Some cyaniding takes place in the ENIMS bath due to the presence of CN. The publication of promising results on the increase of wear resistance of metallocermaics by sulphiding induced the Central Laboratory of the Tashsel mash Factory and the Central Asian Polytechnic Institute to investigate this problem. Sulphiding was made by two methods; in sulphurous iron and annealing with S. The components were iron graphite bushes of various consistencies. Microscopic examinations revealed that the sulphur inclusions are uniformly distributed in the mass of the workpiece,

Card 2/4

The effect of sulphiding ...

S/145/61/000/010/001/008 D221/D304

with orientation around grains. The bushes were cut into rollers and turned in order to test them on friction, wear and running-in qualities. The anti-scuffing properties were determined by checking wear without lubrication. The graph of results indicates no reduction of wear due to sulphiding, when measurements were made with a passameter. Finally, tests were made for machinability determination, with simultaneous measurement of wear, by the method of Professor M. M. Krushchov. The results are tabulated, and they reveal that the sulphided components are run-in faster than the non-sulphided workpieces. The former also exhibit lower friction force and operate more steadily. The table demonstrates that the sulphur additive promotes greater wear which is contrary to previous investigations. Sulphiding may be recommended in cases where the main requirement is anti-scuffing property and not the wear resistance. There are 2 figures, 4 tables and 8 references: 7 Soviet-bloc and 1 non-Soviet-bloc. The reference to the English-language publication reads as follows: F. D. Waterfall, Reducing scuffing and wear of ferrous metals, Surface treatment by sulfinuz process. Engineering no. 4846, 1959, 197.

Card 3/4

S/145/61/000/010/001/008 D221/D304

The effect of sulphiding ...

ASSOCIATION: Sredneaziatskiy politekhnicheskiy institut (Central Asian Polytechnic Institute)

SUBMITTED:

March 18, 1960

Card 4/4

36838 S/137/62/000/004/161/201 A060/A101

1.1710

AUTHORS:

Lezov, A. P., Fedorenko, L. I.

TITLE:

Some problems in heat-treatment of alloy steels after welding

PERIODICAL:

Referativnyy zhurmal, Metallurgiya, no. 4, 1962, 11, abstract 4E49

("Tr. Sredneaz. politekhn. in-ta", 1961, no. 15, 116 - 121)

An investigation was carried out as to the properties of the metal in the zone of thermal effect in steels 30 XTCA and 30 XTCHA (30KhGSA and TEXT: 30KhGSNA) with the aim of choosing the best heat-treatment schedule after welding, under which the structure would possess high strength, sufficient ductility and would completely satisfy all the technical requirements. 5 mm thick steel sheets subjected to isothermal hardening prior to welding were used as specimens. After the hardening, some of the sheets were butt-welded and building up was carried out upon others. Some of the specimens were tested without tempering after the welding, and the remaining ones were subjected to tempering at various temperatures. Conclusions: 1) For welded bearing structures of steel 30KhOSA it is necessary to carry out a tempering at 520±10°C after the welding. In the fabrica-

Card 1/2

S/137/62/000/004/161/201 A060/A101

Some problems in heat-treatment of ...

tion of nonbearing parts, for which $\sigma_b \leq 80 \text{ kg/mm}^2$, the tempering need not be carried out after the welding. 2) For welded structures of steel 30KhGSNA a tempering at 300±10°C is obligatory after the welding. 3) The tempering duration for welded structures of steels 30KhGSNA and 30KhGSA should not be less than 1 - 2 hours, since a reduction in the soaking time will not yield the maximum σ_b . 4) Tempering of welded structures of steel 30KhGSA and 30KhGSNA can be carried out at any time after the welding, but necessarily before putting the structure into service. 5) In choosing either steel 30KhGSA or 30KhGSNA for structures which may be subjected to repair by welding in the process of service, it is necessary to take into account the possibility of tempering after the welding.

V. Tarisova

[Abstracter's note: Complete translation]

Card 2/2

LEZOV, V., inzh.

Device for testing jet tubes. Avt.transp. 37 no.11:52
N '59.

(Automobiles--Engines--Carburetors)

PETROV, Yu.A.; LEZOV, Yu.A.

Experience in the use of ingot molds at the Cherepovets metal-lurgical plant. Stal! 25 no.8:707-708 Ag '65. (MIRA 18:8)

IMZOVIC, J., Bratislava, KUNZ, Mickiewiczova 13

Traumatic injuries of milk and permanent teeth in adolescents. Lek. obzor 3 no.7-8:386-390 1954.

1. Zo Stomatologickej kliniky SU v Bratislave (TRETH, wounds and injuries deciduous & permanent, in adolescents, ther.)

LEZOVIC, J.; BALAZOVA, G.

Effect of fluorine on the urinary excretion and bone and dental tissue saturation after inhalation. Cesk, stomat. 65 no.4:264-270 Jl '65.

1. Vyskumny ustav hygieny v Bratislave a Ustav pre dalsie vzdelavanie lekarov a farmaceutov v Bratislave.

```
LEZOVIC, Jan, Dr. Doc.
       Hypnosis in stematology. Cesk.stemat. no.2:54-56 Mar 55.
       1. Ze stematelogickej kliniky SU v Bratislave, predn. pref. Dr
       V.Beseda.
               (DENTISTRY,
                  hypnesis in)
               (HYPNOSIS, ther. use in dentistry)
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CIA-RDP86-00513R000929810(**APPROVED FOR RELEASE: Monday, July 31, 2000**

"APPROVED FOR RELEASE: Monday, July 31, 2000

CIA-RDP86-00513R000929810

LEZOVIC, J.

-SURNAME, Given Names

Country: Czechoslovskia



Academic Degrees: (not given)

Affiliation: Department of Stomatology, Slovak Postgraduate Medical Institute (Stomatolog katedra / Director Docent S. VEIGOS / Slov. ustav pro doskolovane lekarov /Director Docent J. LEMOVIC/

Source: Prague, Ceskoslovenske Stometologie, Vol 61, No 4, July 61, pp 279 285

Data: "Antibiotics in the Treatment of Pulpitis"

CIA-RDP86-00513R000929810(**APPROVED FOR RELEASE: Monday, July 31, 2000**

LEZOVIC, J.

F

CSSR

LEZOVIC, J., KOTULA, R., LACKO C.

SUDL Stomatological Dept, Bratislava (Stomatologicka katedra SUDL), director: docent Dr J. Lezovic

Prague, Cesko slovenska Stomatologie, No 1, 1963, pp 36-40

"Influence of Fluorine Exhalations on the Dentition of the Child Population on the Vicinity of an Aluminum Plant"

LEZOVIC, J., doc. dr.; CIGANEK, L.

Herpes zoster. Cesk. stomat. 65 no.3:165-172 My'65.

1. Stomatologicka katedra Ustavu pre dalsie vzdelavanie lekarov farmaceutov v Bratislave (veduci: doc. dr. J. Lezovic) a Neurologicka klinika Lekarskej fakulty University Komenskeho v Bratislave (prednosta: prof. dr. Cernacek).

"APPROVED FOR RELEASE: Monday, July 31, 2000 CIA-RDP86-00513R000929810

COUNTRY : Poland B-9 CATEGORY :

ABS. JOUR.: RZKhim., No. 1959, No. 85392

AUTHOR : Krause, A.; Lezuchowska, J. IEST.

TITLE : On the Forces of Attraction and the Inter-

Action between Carrier and Ions of Promoters

ORIG. PUB.: Rocan. chem., 1958, 32, No 5, 1203-1205

ABSTRACT: Study of promoter action of Cu2+ ions on the catalytic activity (CA) of roentgen-amorphous orthohydroxide of iron (I) and gamma-FeOOH (II), in relation to oxidation of HCOOH with hydrogen peroxide at 37°. It is shown that CA of I, II, and Cu2+-ion, taken singly, is considerably lower than CA of gels activated with Cu2+ (1 mg Cu2+ per 0.1 g I or II). It was ascertained that CA of I and II does not depend on whether they are impregnated with Cu2+ solution prior to addition to reaction mixture of ECCOH and H₂O₂, or the solution of Cu2+ is added directly to the reaction mixture after I (or II) has been added to the mixture. -- O. Polotnyuk.

CARD:

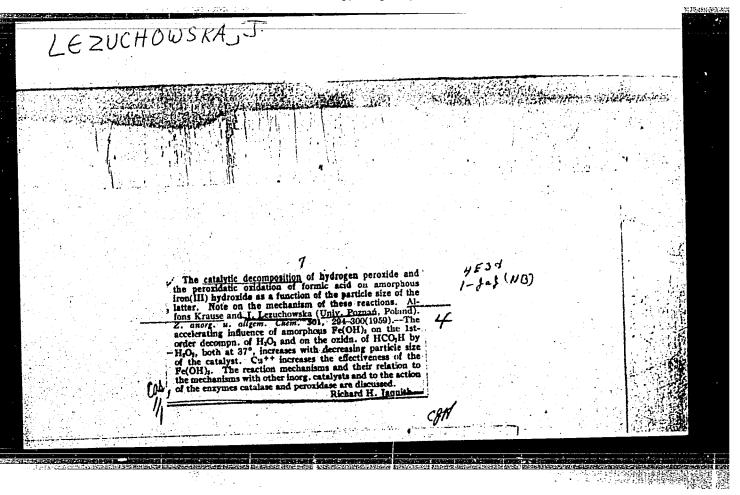
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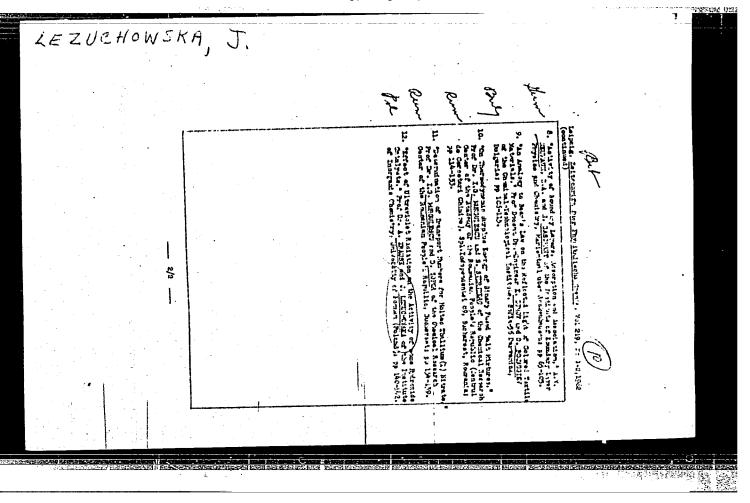
CIA-RDP86-00513R000929810

LEZ UCH OW	SKA, J.			
	Influence of light on catalytic re	actions Allons Krause	4	
	Influence of light on catalytic reand J. Leżuchowska (Univ. Pozna u. aligem. Chem. 301, 291-5(1959). of amorphous Fe(OH), on the Hislightly greater in daylight than i hances this difference.	the artists of the second	1-gag (10)	⊙ .
	Card 1/1	aht A		
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"APPROVED FOR RELEASE: Monday, July 31, 2000

CIA-RDP86-00513R000929810





S/081/63/000/001/018/061 B101/B186

AUTHORS:

Krause, A., Lezuchowska, J.

TITLE:

Effect of ultraviolet radiation on the activity of some

hydroxide catalysts

PERIODICAL:

Referativnyy zhurnal. Khimiya, no. 1, 1963, 83, abstract 1B573 (Z. phys. Chem. (DDR), v. 219, nos. 1-2, 1962, 140-142 [Ger.])

TEXT: The effect of preliminary irradiation by UV light on the catalytic activity of x-ray amorphous specimens of iron and aluminum hydroxides was studied during the oxidation of formic acid by hydrogen superoxide in solution at 37°C. It was shown that preliminary irradiction delayed the aging. of the hydroxide catalysts examined. [Abstracter's note: Complete translation.]

Card 1/1

POLAND

LEZUCHOWSKA, Janina, dr., adiunkt

Department of Inorganic Chemistry (Katedra Chemil APPROVED FOR RELEASE! Monday July 31, 2000 an CiAiRDF86-00513R0009298 the name of Adam Micklewicz.

Wroclaw, Wiadomosci chemiczne, No 9, Sept 63, pp 521-35.

"Classification of Ferric Hydroxides".

LEZYNSKA, Alicia

The problems of the sense of smell & olfactometry. Otolar. polska 12 no.2:201-216 1958.

(SMELL

anat., pathol. & physiol., review (Pol))

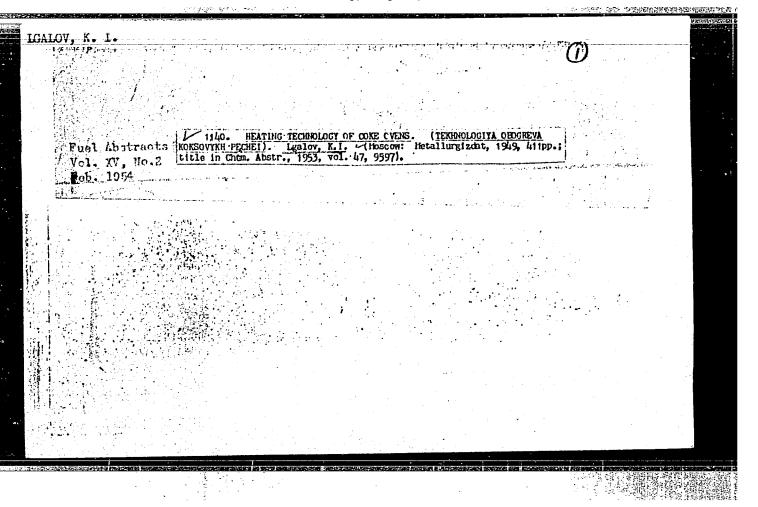
ARKHIPOVA, T.N., starshiy nauchnyy sotrudnik; KRYUKOVA, A.S.; SIBIRTSEV, S.L.; LEZZHOVA, L.V.

Crease resistant finish for rayon staple fabrics. Tekst. prom. 18 no.11:27-33 N '58. (MIRA 11:12)

1.TSentral'nyy nauchno-issledovatel'skiy institut khlopchatobumashnoy promyshlennosti (for Arkhipova). 2.Nauchnyy rukovoditel' gruppy Nauchno-issledovatel'skogo instituta organicheskikh poluproduktov i krasiteley im. K. Voroshilova (for Kryukova). 3.Glavnyy inzh. Pervoy sitsenabivnoy fabriki (for Sibirtseva). 4.Nachal'nik laboratorii Pervoy sitsenabivnoy fabriki Moskovskogo gorsovnarkhoza (for Lezzhova).

(Textile finishing) (Rayon)

"APPROVED FOR RELEASE: Monday, July 31, 2000 CIA-RDP86-00513R000929810



IGAIOV, Konstantin Ivanovich; KHAIABUZAR!, Georgiy Spiridonovich; KAFTAN, Stepan Ivanovich; KVASHA, A.S., redaktor; ANDREYKV, S.P., tekhnicheskiy redaktor.

[Technology of drying, warming up, and starting coke ovens] Tekhnologia sushki, razogreva i puska koksovykh pechei. Khar'kov, Gos. nauchno-tekhn.izd-vo lit-ry po chernoi i tsvetnoi metallurgii, 1954. 365 p. (MIRA 8:4)

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Samuil Berisevich Bamme. Keks i khim.ne.6:64 '56. (MLRA 9:10)
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CIA-RDP86-00513R000929810

LGALOV, K. I

Lgalov, K.I. AUTHOR:

68-12-7/25

TITLE:

Development of the Technique of Firing, , Starting Operation and Heating Coke Ovens (Razvitiye tekhniki

razogreva, puska i obogreva koksovykh pechey)

PERIODICAL: Koks i Khimiya, 1957, No.12, pp. 19 - 21 (USSR)

ABSTRACT: A brief review of the progress made by the Soviet coking industry in heating-up coke ovens when starting operations and methods used for improving the output of coke ovens of older

design is given.

ASSOCIATION: `Teplotekhstantsiya

AVAILABLE:

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no.5:23-29 '60. Heat expended for coking. Koks i khim. (MIRA 13:7)

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IGALOV, K.I.

Selecting the optimum periodicity of reversal. Koks i khim. no.1:61-62
(MIRA 16:2)

(Coke ovens)

TAYTS, Ye.M., doktor tekhn. nauk; SHVARTS, S.A., kand. tekhn.
nauk[deceased]; PEYSAKHZON, I.B., inzh.; GEL'FFR, M.L.,
inzh.; DMITRIYENKO, M.T., inzh.; DORFMAN, G.A., inzh.;
IZRAELIT, Ye.M., inzh.; KULAKOV, N.K., inzh.; KUSHLYANSKIY,
B.S., inzh.; MEYKSON, L.V., inzh.[deceased]; LEONOV, A.S.,
inzh.; SHVARTS, G.A., inzh.; SHVARTSMAN, I.Ya., inzh.;
YATSENKO, N.Ya., inzh.; BABIN, P.P., inzh.; KHANIN, I.M.,
doktor tekhn. nauk, prof., red.; KOZYREV, V.P., inzh.,
red., KUPEIMAN, P.I., inzh., red.; LGALOV, K.I., inzh.,
red.; LEYTES, V.A., inzh., red.; SHELKOV, A.K., red.;
POTAPOV, A.G., inzh., red.; SHELKOV, A.K., red.

[By-product coke industry worker's handbook in six volumes] Sprayochnik koksokhimika v shesti tomakh. Moskva, Metallurgiia. Vol.2. 1965. 288 p. (MIRA 18:8)

ORNATSKAYA, V.M.; KRASHEMINNIKOVA, G.V.; LGALOV, V.G., red. [deceased];

KACHEROVSKIY, N.V., red.

[Calculating shear strength of reinforced concrete building elements] K voprosu rascheta elementov zhelezobetonnykh konstrukteii na skalyvanie. Pod red. V.G.Lgalova. Moskva, 1957.

25 p.

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Soil Science. Tillege. Improvement. Erosion. COUNTRY CATEGORY : RZhBiol., No. 3 1959, No. 10710 ABS. JOUR. Marzhan, S., L'gots, O. AUTHOR Significance of Shallow Plowing for Water Status in Soil. INST. TITLE ORIG. PUB. : Za sots. s.-kh. nauku, 1957, A6, No. 3, 211-226 : Plowing the stubble under increases the porosity and seration of the upper soil horizons by 10-40%, depending on ARSTYACT the type of the soils. On sandy and sandy-loan soils, shallow plowint to the depth of 6 centimeters increased infiltration by 2.6 times; on humous sandy loam soils by 19 times, and on heavy clayey soil by 34 times more then on the same soils the surface of which was not Shallow-plowed. Infilitration of moisture in soils was SARD: 1/2 39

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BILEK, Vatslav, inzhener; BLATTNYY, TStibor, inzhener, doktor; BROZHEK,
Karl, inzhener; DOGNAL, Lyudvig; GLAVACHEK, Frantishek; LGOTSKIY,
Alois, inzhener, doktor; MAKHAT, Frantishek; NAZAL, Yaroslav;
OSVAD D. Vladimir, inzhener; MUZHICHKA, Moymir, inzhner; SALACH,
Vatslav, inzhener, doktor; TRKAN, Miroslav, inzhener; ZHILA, Vladimir; SHKOP, Ya., inzhener [translator]; MEDINTSEV, M., inzhener,
[translator]; MASLOVA, Ye.F., redaktor; GOTLIB, E.M., tekhnicheskiy
redaktor.

[Techology of malt and beer] Tekhologiia soloda i piva. Avtorskii kollektiv Vatslav Bilek i dr.Avtoris.perevod s cheshskogo IA.Shkopa i M.Medintseva, Moskva, Pishchepromisdat. Vol. 1.[Malt production] Proizvodstvo soloda. Translated from the Csech. 1957. 285 p.

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Mery Bor'by s Ney. (Obzor Otklikov Na Odnoim, Stat'yu. G. I. Rozhkova v Zhurn.
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SO: Letopis' Zhurnal'nykh Statey, Vol. 50, Moskva, 1949

Country: Czechoslovakia

Acadenic Degrees:
Surgical Clinic II of the Faculty of General Medicine of
Charles University (II Chirurgicka klinika fakulty vseebeeneho lekarstvi KU), Prague; Chief (Prednesta): Doe Dr J Lhotka

Source: Prague, Rozhledy v Tuberkulose a v Nemochech Plienich,
Vol XII, No 7, August 1961, pp 529-532

Data: "Associated Periocarditis in Tumors of the Mediastinum and Their Medical Treatment."

Authors:

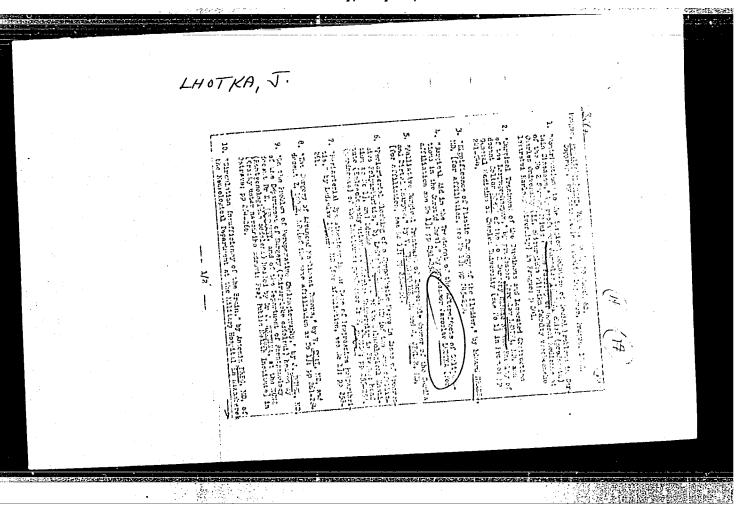
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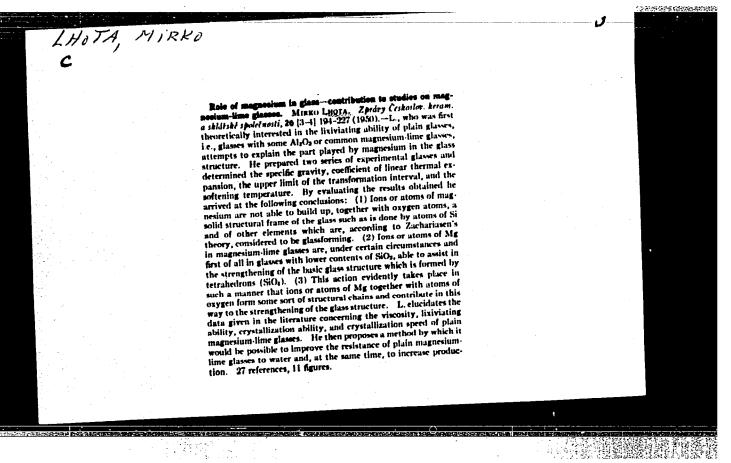
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Effect of aluminum oxide on the properties of technical glass, p. 132, SKLAR A KERAMIK (Ministerstvo lehkeho prumyslu) Praha, Vol. 4, No. 5, May 1954

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Vol. 4, no. 6, June 1954

Praha, Czechoslovakia

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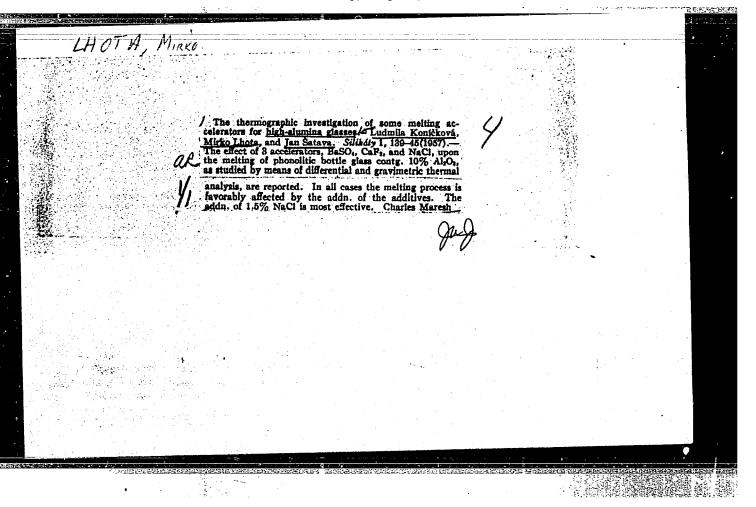
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Our task is to ensure more, better, and cheaper products; the National Conference of Workers in Light Industry, p. 225, SKLAR A KERAMIK (Ministerstvo lehkeho prumyslu) Praha, Vol. 4, No. 9, Sept. 1954

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COUWTRY CATEGORY :Czechoslovakia

4-13

AB3. JOUR.

: RZKhim., No. 21

1959, No.

75564

AUTHOR

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: Lhota, M. : Not given

INST. TITLE

:The Effect of Chemical Composition on the Proper-

ties of Colored Bottle Glass

ORIG. PUB.

;Sklar a Keramik, 9, no 1, 3-6 (1959)

ABSTRACT

The properties of high-alumina glass are discussed as a function of the content of TiO₂, Li₂O, ZnO, and BaO, added at the expense of the SiO₂ content, and of additions of Fe,O₃ and MnO, effected at the expense of a decrease in the content of alkali and alkaline earth metal oxides. It has been found that the addition of TiO₂ has practically no effect on the liquidus temperature and on the rate of crystallization; the rates of decomposition reactions are somewhat increased. The

CARD: 1/4

186

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ABS. JOUR. : RZKhim., No. 21 1959, No.

75564

AUTHOR

TITLE

ORIG. PUB. :

ABSTRACT

addition of TiO₂ has a marked harmful effect on the crystal structure of the glass along with producing some improvement in the fusibility of the glass. The addition of ZnO has almost no effect on the liquidus temperature; the rate of crystallization is markedly increased. The substitution of Li₂O for 1% of the RO at 40° and for a same amount of R₂O at 25° results in a 40° lowering of the liquidus temperature. Li₂O markedly improves the crystallizing properties of the glass and its fusibility. The leaching

CARD: 2/4

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COUNTRY : Czechoslovakia H-13 CAFEGORY ABS. JOUR.: AZKhim., No. 21 1959, No. 75564 AUTHOR IMAR. TITLE ORIG. PUB. : ABSTRACT : place of CaO + MgO or Na, O. Glasses containing Fe, O, showed a slightly lower fusibility. Studies on the melting of glasses in the presence of CaF, have shown that when the latter is present in amounts of 0.5%, the decomposition reactions are completed at 712 rather 780°; when the CaF, content is 1.5%, the latter reactions are completed at 675°. V. Berenfel'd CARD:

LHOTA, Mirko, dr., inz., C.Sc.

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HOTA, O.

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SO: Monthly List of East European Accessions, Vol 2, #8, Library of Congress, August 1953, Uncl.